

Work Order ID 54960

January 5, 2010 11:16:51 AM



Page 1

Item ID: D350-636-107B

Accept



Setup Start



Revision ID:

Stop



Item Name: Aft Cable Guard Installation

Start Date: 05/01/2010 Start Qty: 5.00



Cust Item ID:

Required Date: 18/01/2010 Req Qty: 5.00



Customer:

Reference:

Approvals: Process Plan:

[Signature]

Date: 10-1-05

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
DSI 9457	A

100

0.00



DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPP D350-636-107B/ DSI9457
CHG001

8/10/05

HJ for BG 10/01/07

110

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

10-1-7 (50)

120

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

Quality Control

8/10/05

(4)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 54960

January 5, 2010 11:16:51 AM



Page 2

Item ID: D350-636-107B

Accept



Setup Start



Revision ID:

Stop



Item Name: Aft Cable Guard Installation

Start Date: 05/01/2010 Start Qty: 5.00



Start Item ID:

Required Date: 18/01/2010 Req'd Qty: 5.00



Customer:

Reference:

Run Start



Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00



Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D3550-636-107B/ DSI9457

Location:

PPP rev: A

10-1-11 (5x) SP

140

0.00



QC

Memo

0.00

Quality Control

QC21- Final Inspection - Work Order Release

10/01/12 JF
MF 10-1-12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

January 5, 2010 10:45:51 AM

Page 1

Work Order ID: 54960

Parent Item: D350-636-107B

Parent Item Name: Aft Cable Guard Installation

Start Date: 05/01/2010

Required Date: 18/01/2010

Comments:

Start Qty: 5.00

Required Qty: 5.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3927-3 Guard		Manufactured	No			110	Each	5.0000	5.0000		10-1-7	SP

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

5

51698

1

52297

4

BLBS-020

Purchased

No

110

Each

1.0000

5.0000

Pip Pin

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

1

105000

1

1113602 10-1-8 SP
ST

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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IN D350-636 REV. F OR EARLIER

REF. FAA STC: SR00848SE

REF. TCCA STC: SH99-7

REF. CAA AIRWORTHINESS APPROVAL NOTE: 28081, 28082

WORK CENTER
NO. 54960

BA10-1-05

The D350-636-107 Cable Guard kit may be installed on D350-636-011/-013 Skidtube installations during hoisting operations to prevent damage to the cable and skidtube. The D350-636-107 Cable Guard Kit consists of the D350-636-107A Forward Cable Guard and the D350-636-107B Aft Cable Guard Kits. The D350-636-107A/-107B kits may be installed separately or in combination. See Figure 1 Sheet 2 for details.

The D350-636-107A Fwd Cable Guard Kit may be installed as follows:

- 1) Remove the forward 2x 350A41-1027-20 bolts (with OEM crosstubes installed) or 2x AN4-41A bolts and D3501-1 bushings (with Dart crosstubes installed) holding the forward LH saddle in place.
- 2) Insert the bolts or bolts and bushings through the holes provided in the D3928-1 bracket and reinstall per Aircraft Maintenance Manual or relevant STC.
- 3) Remove the aft 2x 350A41-1027-20 bolts (with OEM crosstubes installed) or 2x AN4-41A bolts and D3501-1 bushings (with Dart crosstubes installed) holding the forward LH saddle in place.
- 4) Insert the bolts or bolts and bushings through the holes provided in the D3928-1 bracket and reinstall per Aircraft Maintenance Manual or relevant STC.
- 5) Position the D3927-1 forward cable guard between the tangs of the D3928-1 bracket centered over the crosstube saddle and against the skidtube. Transfer drill 2x $\varnothing 0.257$ holes from the D3928-1 bracket to the D3927-1 forward cable guard. Remove D3927-1 forward cable guard and deburr holes.
- 6) Install the D3927-1 forward cable guard into the brackets using the hardware as shown in Figure 2 Sheet 3.

The D350-636-107B Aft cable guard kit may be installed as follows:

- 1) Slide the D3927-3 aft cable guard over the outboard ground handling lugs on the LH skidtube.
- 2) Insert the BLBS-020 pin into the hole at the aft end of the D3927-3 cable guard to secure it in place. See Figure 3 Sheet 4 for details.

WEIGHT AND BALANCE

Installation	Weight	Lateral		Longitudinal	
		Arm	Moment	Arm	Moment
D350-636-107 Cable Guard Kit	1.80 lb 0.82 kg	42.79 in 1.09 m	77.02 in-lb 0.89 m-kG	112.97 in 2.87 m	203.36 in-lb 2.35 m-kG
D350-636-107A Fwd Cable Guard	0.95 lb 0.43 kg	42.89 in 1.09 m	40.75 in-lb 0.47 m-kG	106.29 in 2.70 m	100.98 in-lb 1.16 m-kG
D350-636-107B Aft Cable Guard	0.85 lb 0.39 kg	42.19 in 1.07 m	35.86 in-lb 0.42 m-kG	137.48 in 3.49 m	116.86 in-lb 1.36 m-kG

A	NEW ISSUE	BY	09.04.01
REV.	DESCRIPTION	BY	DATE
DESIGN	AS	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	AS		
CHECKED	PH	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9457	SHEET 1 OF 4
APPROVED	AS	TITLE	SCALE
DE APPR.	AS	CABLE GUARD KITS	NTS
DATE	09.04.01	<small>COPYRIGHT © 2009 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

PARTS LIST

QTY. -107	QTY. -107A	QTY. -107B	PART NUMBER	DESCRIPTION
X			D350-636-107	CABLE GUARD KIT
1	X		D350-636-107A	FORWARD CABLE GUARD KIT
1		X	D350-636-107B	AFT CABLE GUARD KIT
	1		D3927-1	FORWARD CABLE GUARD
		1	D3927-3	AFT CABLE GUARD
	2		D3928-1	BRACKET
	2		AN4-14A	BOLT
		1	BLBS-020	PIP PIN
	2		MS21042L4	NUT
	4		NAS1149D0463J	WASHER

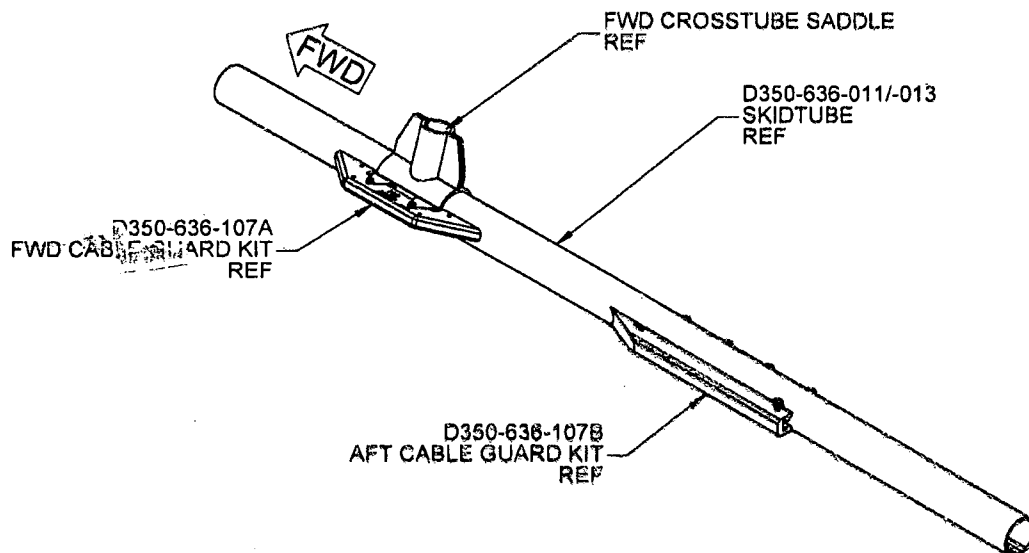


FIGURE 1: D350-636-107 CABLE GUARD KIT

DESIGN		w/o 54960	
DRAWN		DART AEROSPACE USA, INC. PORT HADLOCK, WA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9457	SHEET 2 OF 4
APPROVED		TITLE	SCALE
DE APPR.		CABLE GUARD KITS	NTS
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W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

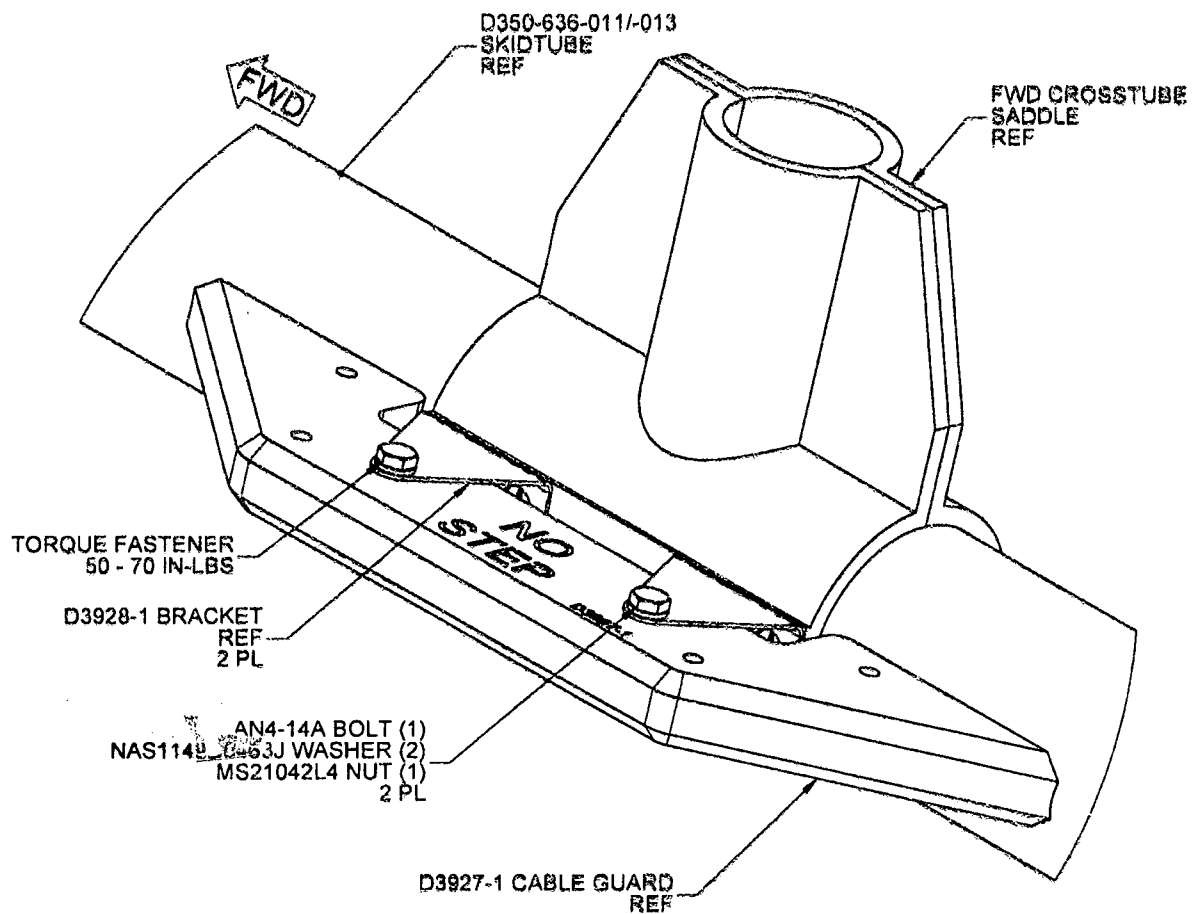


FIGURE 2: D350-636-107A FWD CABLE GUARD KIT
ATTACH BOLTS NOT SHOWN FOR CLARITY

W/O 54940

DESIGN	<i>DE</i>	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	<i>PH</i>		
CHECKED	<i>PH</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9457	SHEET 3 OF 4
APPROVED	<i>AP</i>	TITLE	SCALE
DE APPR.	<i>TH</i>	CABLE GUARD KITS	NTS
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W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

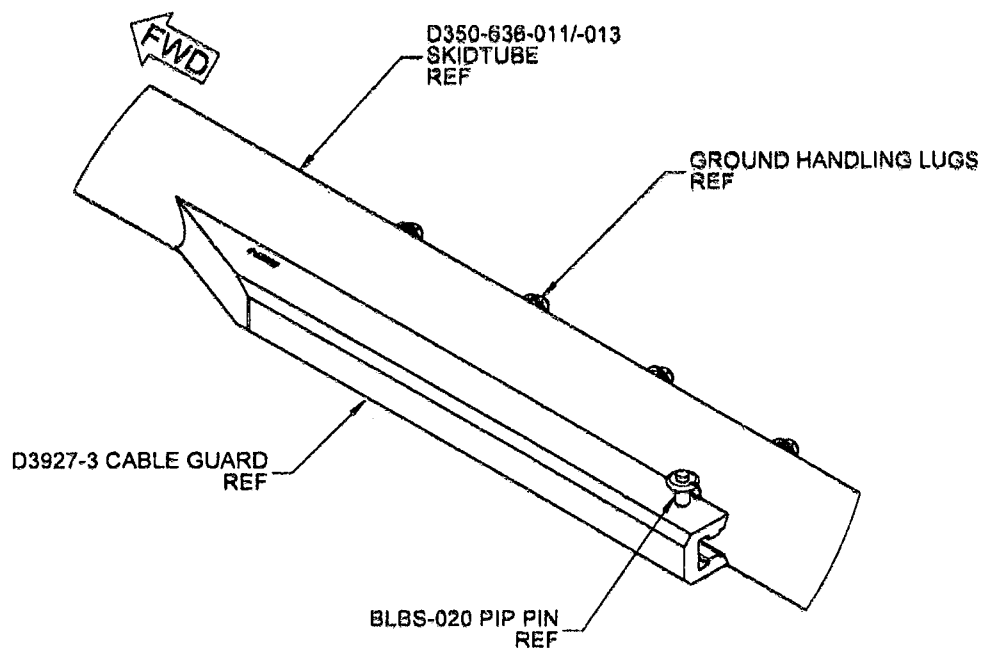


FIGURE 3: D350-636-107B AFT CABLE GUARD KIT

NOTE:
IT IS NECESSARY TO REMOVE THE D3927-3 CABLE GUARD IN ORDER TO MOVE
THE AIRCRAFT ON THE GROUND USING THE GROUND HANDLING LUGS

12510 54960

DESIGN	<i>AS</i>	DART AEROSPACE USA, INC.	
DRAWN	<i>AS</i>	PORT HADLOCK, WA	
CHECKED	<i>PH</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9457	SHEET 4 OF 4
APPROVED	<i>AS</i>	TITLE	SCALE
DE APPR.	<i>PH</i>	CABLE GUARD KITS	NTS
DATE	09.04.01		

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NOTE: Date & initial all entries

REFERENCE ONLY

PARTS LIST

QTY. -107	QTY. -107A	QTY. -107B	PART NUMBER	DESCRIPTION
X			D350-636-107	CABLE GUARD KIT
1	X		D350-636-107A	FORWARD CABLE GUARD KIT
1		X	D350-636-107B	AFT CABLE GUARD KIT
	1		D3927-1	FORWARD CABLE GUARD
		1	D3927-3	AFT CABLE GUARD
	2		D3928-1	BRACKET
	2		AN4-14A	BOLT
		1	BLBS-020	PIP PIN
	2		MS21042L4	NUT
	4		NAS1149D0463J	WASHER

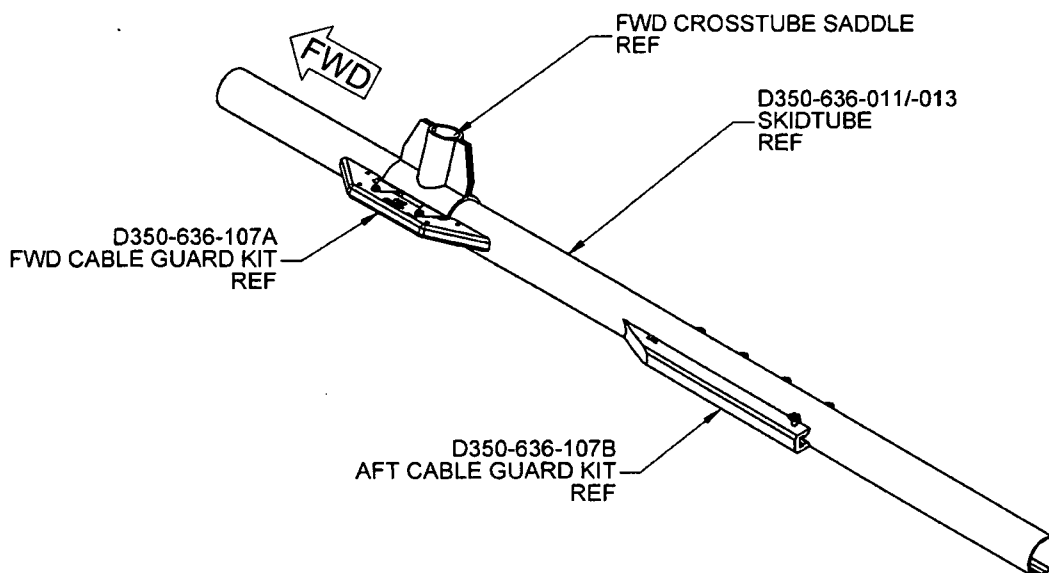


FIGURE 1: D350-636-107 CABLE GUARD KIT

DESIGN	<i>AS</i>	DART AEROSPACE USA, INC.	
DRAWN	<i>AS</i>	PORT HADLOCK, WA	
CHECKED	<i>PH</i>	DRAWING NO.	REV. A
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